

## Alpine X308U

# Alpine X308U Digital Media Receiver User Manual

Model: X308U

## 1. INTRODUCTION

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The Alpine X308U Mech-Less Navigation Receiver is designed to provide advanced smartphone integration and a reliable built-in navigation system for your vehicle. This manual provides essential information for the proper installation, operation, and maintenance of your device.

### Key Features:

- 8-inch WVGA High-Resolution Capacitive Touch Display
- Compatibility with Apple CarPlay and Android Auto
- Embedded Navigation with 3D & 2D mapping and Pinch-to-Zoom interface
- Bluetooth hands-free calling and audio streaming
- Built-In HD Radio Tuner and SiriusXM Satellite Radio readiness
- Multiple connectivity options including HDMI input/output and USB
- Advanced audio tuning features: 9-band parametric EQ and 6-channel time correction
- Support for FLAC, AAC, MP3, WMA, HE-AC Playback
- Accessory Control Ready (KAC-001 Required) and iDataLink Maestro Module compatibility

## 2. PRODUCT OVERVIEW

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**Figure 2.1: Front View with Navigation Display.** This image shows the Alpine X308U unit with its 8-inch high-resolution capacitive touch display active, presenting a detailed 3D navigation map. The screen displays street names, distances, and navigation icons, demonstrating the unit's integrated GPS capabilities. Control buttons are visible along the bottom edge of the screen.



**Figure 2.2: Front View with Media Interface.** This image illustrates the Alpine X308U's user interface for media playback and radio tuning. The display shows current FM radio frequency (105.8 MHz), preset stations, and options for HDMI, Music, Pandora, and Bluetooth Audio. Album art and song information are also visible, highlighting the unit's multimedia capabilities.

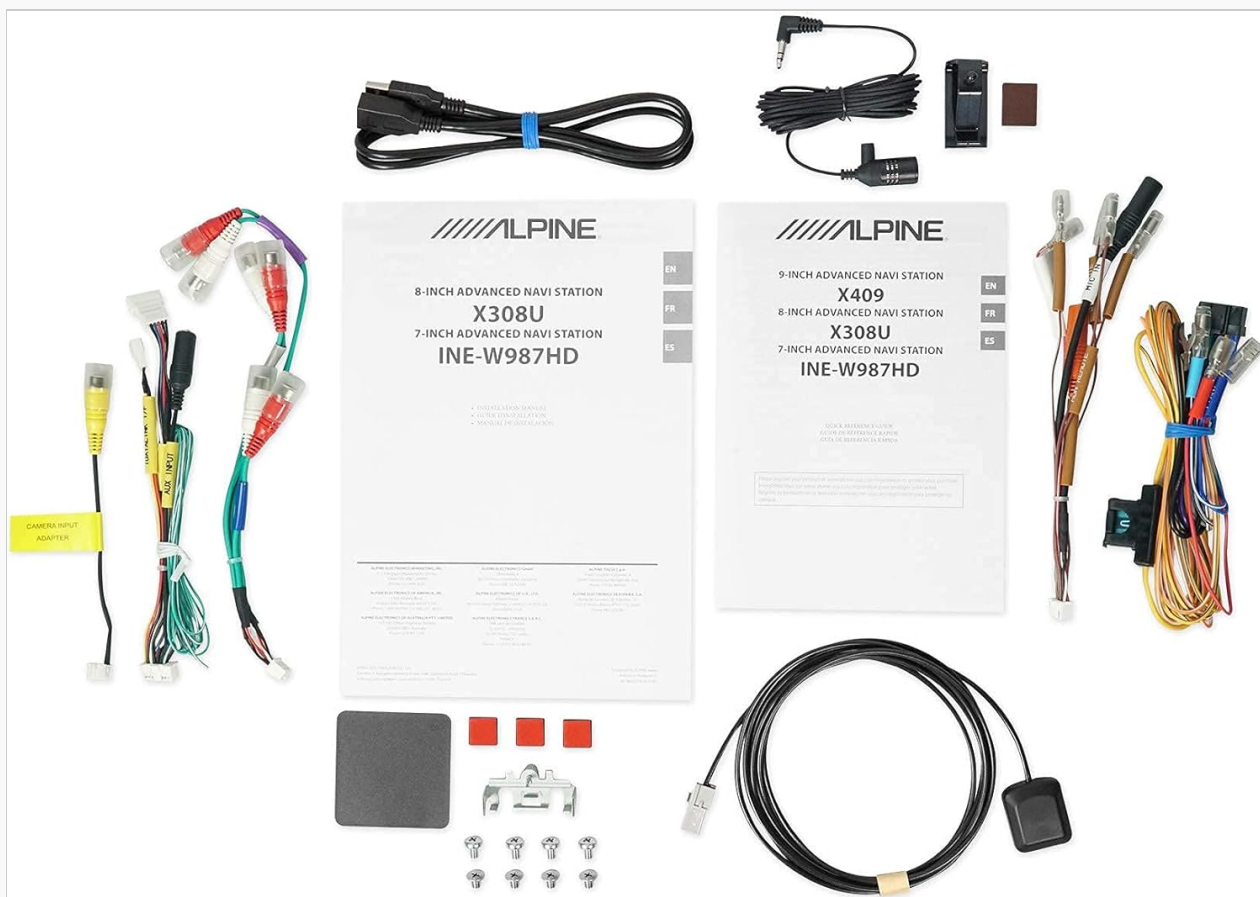


**Figure 2.3: Audio Settings Interface.** This image displays the "BASS ENGINE SQ" audio adjustment screen on the Alpine X308U. Users can select from various sound presets like Standard, Punch, Rich, Mid Bass, and Low Bass, and adjust levels for Bass Engine, Navi Audio, and Back Audio. This interface demonstrates the unit's comprehensive audio customization options.



**Figure 2.4: Rear Panel Connections.** This image provides a detailed view of the rear panel of the Alpine X308U, highlighting its various input and output ports. Visible connections include GPS antenna input, USB ports, HDMI In, HDMI Out, and the main wiring harness connector. A cooling fan is also visible on the left side, indicating thermal management features.





**Figure 2.5: Included Components.** This image displays a selection of cables and accessories that come with the Alpine X308U unit. These include various wiring harnesses, RCA cables for audio/video connections, a USB extension cable, and a GPS antenna. These components are essential for the proper installation and functionality of the receiver.

## 3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your Alpine X308U. It is highly recommended that installation be performed by a qualified professional car audio installer.

### 3.1. Pre-Installation Checklist:

- Ensure all components listed in the "What's in the Box" section are present.
- Disconnect the vehicle's negative battery terminal before beginning any electrical work.
- Review your vehicle's specific wiring diagrams and dash disassembly instructions.

### 3.2. Wiring Connections:

Connect the main wiring harness to the vehicle's power, ground, and speaker wires. Utilize the provided connectors for a secure fit. Refer to the wiring diagram included with your unit for specific color codes and pin assignments.

- **Power Connections:** Connect the yellow wire (constant 12V), red wire (switched 12V), and black wire (ground).
- **Speaker Outputs:** Connect the speaker wires to the corresponding vehicle speakers. Ensure correct polarity.
- **HDMI Input/Output:** Use the HDMI ports for connecting external video sources or outputting video to a rear entertainment system. Note that HDMI output functionality may be limited to specific Alpine accessories.
- **USB Input:** Connect USB devices for media playback or smartphone integration (CarPlay/Android Auto).

- **Camera Input:** Connect a rear-view camera to the dedicated input for enhanced safety. The unit supports up to 3 cameras with the optional KCX-C250MC Multi-camera selector.
- **Pre-amp Outputs:** Utilize the 6-channel pre-amp outputs for connecting external amplifiers.
- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky for optimal navigation performance.

### 3.3. Mounting the Unit:

Securely mount the X308U in your vehicle's dashboard using the provided mounting hardware. Ensure adequate ventilation around the unit to prevent overheating.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Basic Operation:

- **Power On/Off:** Press and hold the power button (usually located on the front panel) to turn the unit on or off.
- **Volume Control:** Adjust volume using the dedicated volume buttons or on-screen controls.
- **Touchscreen Interface:** Navigate through menus and select functions by tapping icons on the capacitive touch display. The unit supports 4-Way Swipe Action Control.
- **Menu Button:** Access the main menu to switch between different sources and settings.

### 4.2. Navigation System:

- **Accessing Navigation:** Tap the "Navigation" icon on the main menu.
- **Entering Destinations:** Use the on-screen keyboard to input addresses, points of interest, or select from recent destinations.
- **Map View:** Switch between 2D and 3D map views. Use pinch-to-zoom gestures to adjust the map scale.
- **Voice Guidance:** Follow spoken turn-by-turn directions for guidance.

### 4.3. Smartphone Integration (CarPlay & Android Auto):

- **Connecting Your Smartphone:** Connect your compatible iPhone or Android phone to the unit's USB port using a certified USB cable.
- **Activating CarPlay/Android Auto:** Once connected, the respective interface will automatically launch or prompt you to activate it on the screen.
- **Using Apps:** Access supported navigation, music, messaging, and communication apps directly from the unit's display.

### 4.4. Bluetooth Functions:

- **Pairing a Device:** Go to the Bluetooth settings menu, enable pairing mode on the X308U, and search for the unit on your smartphone. Select "Alpine X308U" and confirm the pairing code.
- **Hands-Free Calling:** Make and receive calls directly through the unit's microphone and vehicle speakers.
- **Audio Streaming:** Stream music wirelessly from your paired smartphone.

### 4.5. Audio Settings:

- **Equalizer:** Access the 9-band parametric EQ to fine-tune audio frequencies.
- **Time Correction:** Adjust the sound stage for optimal listening position using the 6-channel time correction feature.

- **Tunelt App:** For advanced audio tuning and sharing settings, download and use the Alpine Tunelt App on your smartphone.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Alpine X308U.

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronic screens to gently wipe the display. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft, dry cloth to wipe the exterior.
- **Software Updates:** Periodically check the Alpine website for firmware updates to ensure your unit has the latest features and bug fixes. Follow the instructions provided with the update carefully.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

## 6. TROUBLESHOOTING

If you encounter issues with your Alpine X308U, refer to the following common troubleshooting steps before contacting support.

| Problem                               | Possible Cause   | Solution  |
|---------------------------------------|--|---|
| No power/Unit does not turn on.       | Loose power connection, blown fuse, vehicle battery issue.               | Check all power wiring connections. Inspect and replace any blown fuses. Ensure vehicle battery is charged. |
| No sound from speakers.               | Speaker wires disconnected, incorrect audio settings, unit in mute mode. | Verify speaker wire connections. Check audio settings (e.g., fader/balance, EQ). Ensure unit is not muted.  |
| Navigation not working or inaccurate. | GPS antenna not properly connected or obstructed, outdated map data.     | Ensure GPS antenna is securely connected and has a clear view of the sky. Check for available map updates.  |
| Bluetooth device won't pair.          | Device not in pairing mode, incorrect pairing procedure, interference.   | Ensure both devices are in pairing mode. Delete previous pairings and try again. Move closer to the unit.   |
| Touchscreen unresponsive.             | Temporary software glitch, screen calibration needed.                    | Perform a soft reset (refer to manual for specific method). If issue persists, contact support.             |

## 7. SPECIFICATIONS

| Feature          | Detail  |
|------------------|---|
| Model Number     | X308U   |
| Screen Size      | 8 Inches (21 cm diagonal)                     |
| Display Type     | WVGA High-Resolution Capacitive Touch Display |
| Max Power Output | 50 Watts x 4 channels                         |

| Feature                 | Detail  |
|-------------------------|---|
| CTA-2006 Power Rating   | 18 Watts x 4 channels   |
| Pre-amp Outputs         | 3 (4-Volt)  |
| Connectivity Technology | Bluetooth, USB, HDMI  |
| Map Type                | Satellite, North America (Built-in 3D & 2D Navigation)  |
| Product Dimensions      | 12 x 12 x 12 inches   |
| Item Weight             | 6.4 pounds  |
| Included Components     | HDMI input, USB input, composite A/V input, rear-view camera input, HDMI output, 6-channel preamp outputs, USB source |

## 8. WARRANTY AND SUPPORT

This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty period and coverage details.

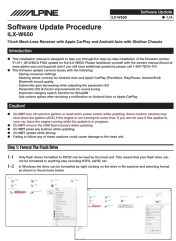
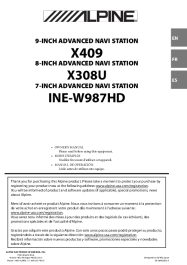
### Customer Support:

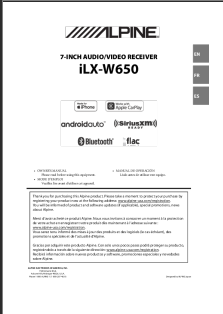



For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Alpine customer support. Visit the official Alpine website for the most up-to-date contact information and support resources.

*Note: Keep your proof of purchase for warranty validation.*

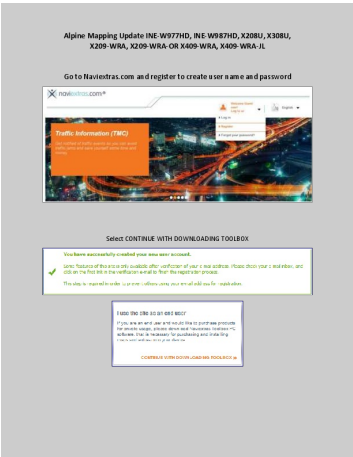
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### Related Documents - X308U

|   |   |
|---|---|
|  | <p><a href="#">Alpine iLX-W650 Software Update Procedure</a></p> <p>Step-by-step guide for updating the firmware of the Alpine iLX-W650 receiver, including formatting a flash drive, copying update files, and performing the update.</p>  |
|  | <p><a href="#">Alpine Navi Station X409/X308U/INE-W987HD Owner's Manual</a></p> <p>Comprehensive owner's manual for Alpine's Advanced Navi Station models X409, X308U, and INE-W987HD. Covers installation, operation, features, safety precautions, and troubleshooting for these advanced car audio and navigation systems.</p> |

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|    | <p><a href="#">Alpine iLX-W650 7-Inch Audio/Video Receiver Owner's Manual</a></p> <p>Owner's manual for the Alpine iLX-W650, a 7-inch digital multimedia receiver. Provides detailed instructions on installation, setup, and operation of features including Apple CarPlay, Android Auto, Bluetooth connectivity, SiriusXM, USB playback, radio functions, and camera integration. Includes safety precautions, specifications, and warranty information.</p> |
|   | <p><a href="#">Alpine iLX-W670 7-Inch Audio/Video Receiver Quick Reference Guide</a></p> <p>Explore the features and operations of the Alpine iLX-W670 7-inch audio/video receiver with this comprehensive quick reference guide. Learn about installation, connectivity, Apple CarPlay, Android Auto, radio, USB, iPod, Bluetooth, and more.</p>  |
|   | <p><a href="#">Alpine iLX-W670S 7-Inch Audio/Video Receiver Owner's Manual</a></p> <p>User manual for the Alpine iLX-W670S 7-inch digital multimedia receiver, detailing installation, operation, Apple CarPlay, Android Auto, Bluetooth, and specifications for enhanced in-car entertainment.</p>  |
|  | <p><a href="#">Alpine iLX-W690D 7-Inch Audio/Video Receiver Owner's Manual</a></p> <p>Comprehensive owner's manual for the Alpine iLX-W690D 7-inch audio/video receiver, covering setup, operation, features like Apple CarPlay and Android Auto, Bluetooth, and more.</p>   |

Documents - Alpine – X308U



[pdf] Installation Guide Instructions

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Alpine Mapping Update INE-W977HD, INE-W987HD, X208U, **X308U**, X209-WRA, X209-WRA-OR X409-WRA, X409-WRA-JL Go to Naviextras.com and register to create user name and password Select CONTINUE WITH DOWNLOADING TOOLBOX Select Download Select Save File and Install to your computer Starting the Naviextra...

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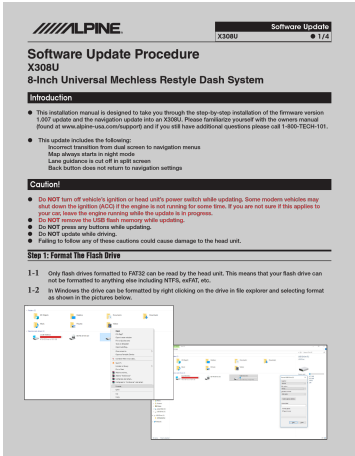




[Alpine Navi Station X409/X308U/INE-W987HD Owner's Manual](#)

Comprehensive owner's manual for Alpine's Advanced Navi Station models X409, X308U, and INE-W987HD. Covers installation, operation, features, safety precautions, and troubleshooting for these advanced car audio and navigation systems.

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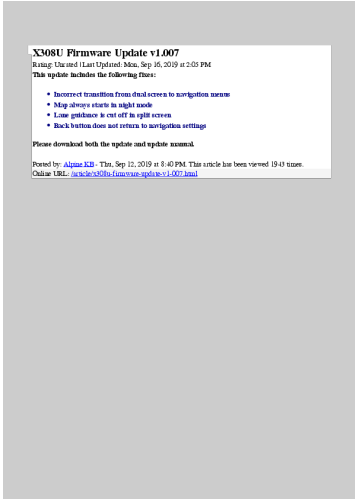


[\[pdf\] User Manual Owner's Manual](#)

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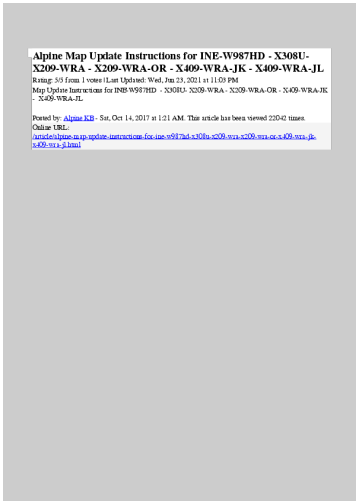


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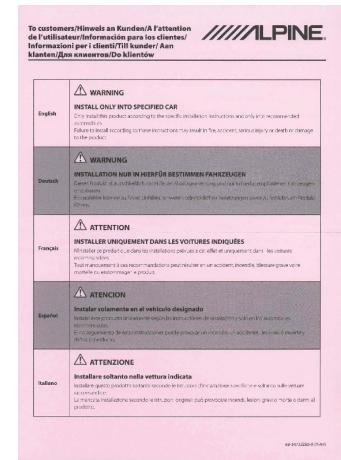


[pdf] Instructions

Alpine Map Update Instructions for INE W987HD X308U X209 WRA OR X409 JK JL Electronics US

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Alpine Map Update Instructions for INE-W987HD - **X308U**X209-WRA - X209-WRA-OR - X409-WRA-JK - X409-WRA-JL Rating: 5/5 from 1 votes Last Updated: Wed, Jun 23, 2021 at 11:03 PM Map Update Instructions for INE-W987HD - **X308U**- X209-WRA - X209-WRA-OR - X409-WRA-JK - X409-WRA-JL Posted by: Alpine KB - Sat... lang:pl **score:29** filesize: 114.25 K page\_count: 1 document date: 2022-05-15

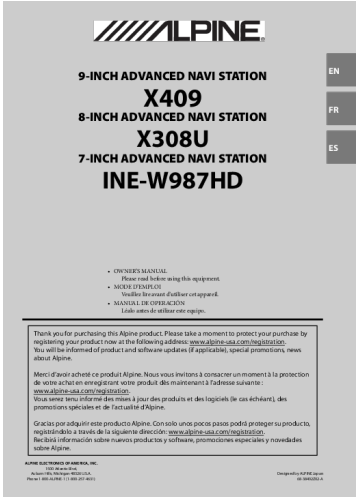


[pdf] Installation Guide Instructions

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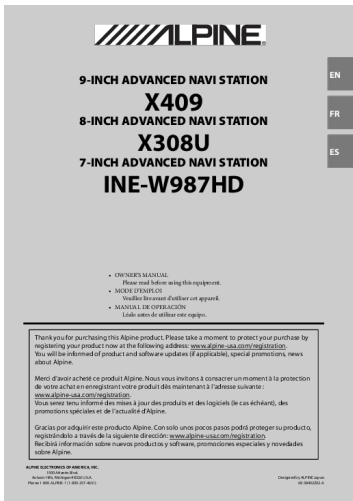


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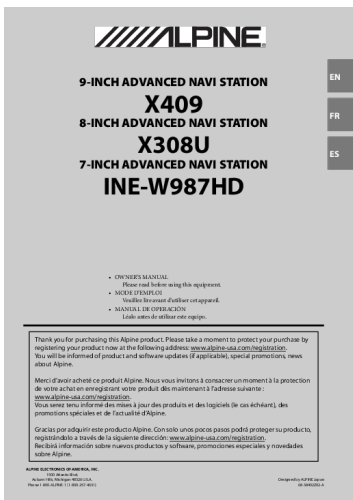


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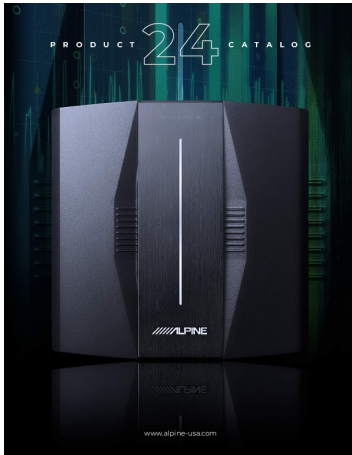
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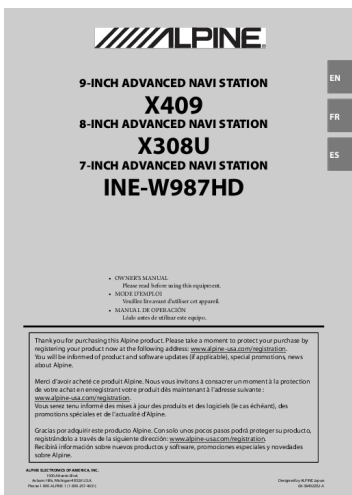
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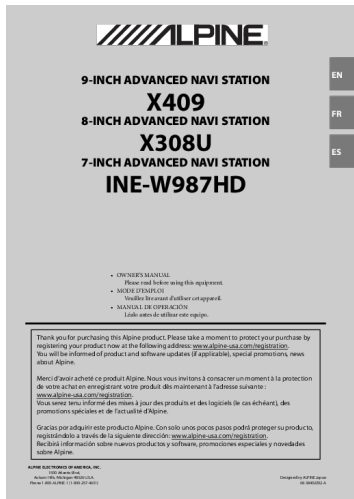
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CarPlay Android Auto. 7- INE-W987HD 8- **X308U**. . , Alpine, . . 3- One Look Navi. , . . ,  
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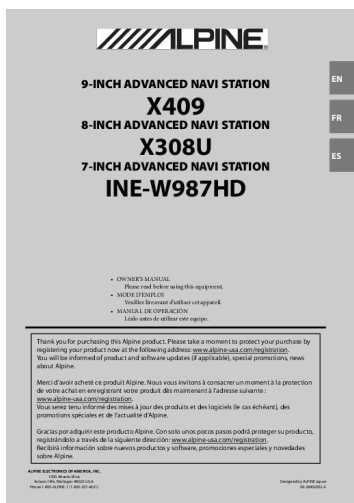


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User Manual Owner's Manual Installation Guide Specifications

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